

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: David Lukton Examiner #: 71263 Date: 2/4/03
 Art Unit: 1653 Phone Number 308-3213 Serial Number: 09-912164
 Mail Box and Bldg/Room Location: Mail Box: 9B01 Exr Rm: 9B05 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Title: S-Nitrosothiols as Agents for the Treatment of Circulatory Dysfunctions

Applicants: MOLINER, JOSE REPOLLES; PEREZ-RASILLA, EDUARDO SALAS; COY, FRANCISCO PUBILL; RIUDAVETS, JUAN-ANTONIO CERDA; ROFES, CRISTINA NEGRIE; LLORENT, LYDIA CABEZA; SISO, ALICIA FERRER; ADROHER, NURIA TRIAS; BANUS, MARCEL·I CARBO; MORENO, JESUS MURAT; LLAGUNO, PEDRO MICHELENA

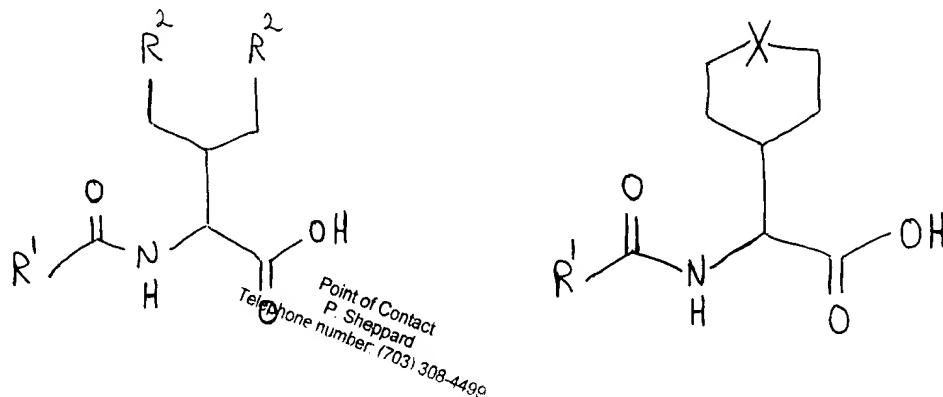
Earliest Priority Date: 1/27/99

Applicants are claiming each of the two genera of compounds below.

$R^1 = C_{1-4}$ alkyl;

$R^2 =$ phenyl;

$X = -O-$ or $-S-$ or $-NCH_3-$



STAFF USE ONLY		Type of Search	Vendors and cost where applicable
Searcher: <u>Point of Contact P. Sheppard</u>	Telephone number (703) 308-4490	NA Sequence (#) _____	STN _____
Searcher Phone #:	_____	PA Sequence (#) _____	Dialog _____
Searcher Location:	_____	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up:	_____	Bibliographic _____	Dr. Link _____
Date Completed:	<u>2/4/03</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time:	_____	Fulltext _____	Sequence Systems _____
Clerical Prep Time:	_____	Patent Family _____	WWW/Internet _____
Online Time:	_____	Other _____	Other (specify) _____

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FILE COVPER 1907 - 4 Feb 2003 VOL 138 ISS 6
FILE LAST UPDATED: 3 Feb 2003 (20130203/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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$$\begin{array}{ccccccccccccc} & & 8 & 9 & & 11 & & & 21 & & \\ & O & G2 & C & & C & & & G3 & & \\ & & & & 10 & & 12 & & & & \\ & & & & C & & C & & & & \\ 31 & S & N & C & C & O & & & & & \\ 1 & I & 3 & 4 & 5 & 6 & & & & & \\ & & & & 15 & C & 14 & C & 13 & & \\ & & & & C & & C & & & & \\ & & & & & & & 25 & & & \\ & & & & & & & C & & C & \\ & & & & & & & & & 23 & \\ & & & & & & & & & & \\ & & & & & & & & & @24 & \\ & & & & & & & & & & \\ & & & & & & & C & C & C & G1 & \\ & & & & & & & 16 & @17 & 18 & 19 & \\ \end{array}$$

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** 6 327

VAR G1=ME ET/I-PR/N-PR/I-PR/N-BU/T-BU/S-BU

VAR G2=17 24

VAR G3=O/J/J6-20 27-22

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ELEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 27

STEREO ATTRIBUTES: NONE

LS 13 SEA FILE=REGISTRY SSS FUL L1
LI 6 SEA FILE=HCAPLUS ABB=ON PLU=ON L3

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L4 ANSWER 1 OF 6 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2001:204444 HCAPLUS
 DOCUMENT NUMBER: 134:367161
 TITLE: Synthesis and spectroscopy of novel
 .alpha.-pyrazolylglycine derivatives
 Zia-Ul-Haq, Muhammad; Arshad, Muhammad;
 Saeed-Ur-Rehman
 CORPORATE SOURCE: Chemistry Department, Quaid-i-Azam University,
 Islamabad, Pak.
 SOURCE: Journal of the Chinese Chemical Society (Taipei,
 Taiwan) (2001), 48(1), 41-46
 CODEN: JCCTAC; ISSN: 0009-4636
 PUBLISHER: Chinese Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 134:367161
 CI

R-

E - N

R E

H₂N - CO₂H - I

AB The synthesis of four .a pha.-pyrazolylglycine derivs. (I; R = Me; Et
 Me, iPr; R2 = H, Ph) with different substituents, starting from glycine
 have been prep'd. The spectroscopy of intermediate compds. and the final
 amino acids have been discussed.

IT 340008-68-6P
 RI: PCT (Reactant); JPN (Synthetic preparation); PREP (Preparation); FACT
 (Reactant or reagent,
 (prepn. of .alpha.-pyrazolylglycine derivs. via cyclocondensation
 reaction of glycine 1',2'-diketone derivs. with hydrazines)

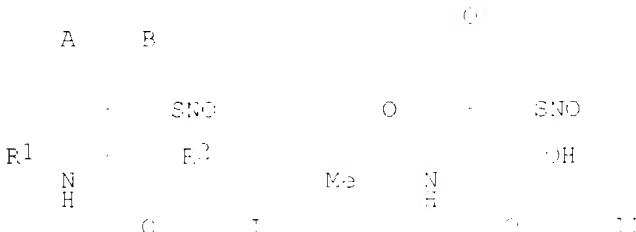
REFERENCE COUNT: 13 THESE ARE 13 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 6 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2000:505107 HCAPLUS
 DOCUMENT NUMBER: 133:150471
 TITLE: Aromatic and heterocyclic S-nitrosothiols useful as
 agents for the treatment of circulatory dysfunctions
 Repolles Moliner, Jose; Salas Perez-Rasilla, Eduardo;
 Pubill Coy, Francisco; Garcia Biudavets, Juan Antonio;
 Cepeda Rios, Francisco; Hernandez, Lydia; Ferrer
 Siso, Alivio; Trias Antolino, Nuria; Claudio Manun,
 Marcello; Mirat Moreno, Jesus; Miquelena Liguna,
 Pedro
 PATENT ASSIGNEE(S): Laser, S.A., Spain
 SOURCE: PCT Int. Appl., 46 pp.
 CODEN: FIXXPD
 DOCUMENT TYPE: Patent
 LANGUAGE: Spanish

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 000164714	A1	20000803	WO 2000-ES19	20000119
WI: AB, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CS, DE, DK, DM, EE, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, MG, KP, KR, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NC, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TR, TM, CR, TT, UA, US, UR, VN, XK, SA, TW, TZ, AZ, NY, BG, HN, MD, RU, TJ, TW BN: GH, GM, HE, IS, MW, SI, SL, SA, TR, UR, VN, AT, BG, HN, SI, DK, EE, FI, FR, GB, CH, IS, IT, LV, NL, PL, SE, BY, PT, IS, BG, CR, TM, GA, CN, CH, ML, MR, NH, CN, ID, TG				
ES 2147162	A1	2000-01-16	ES 1999-158	19990127
ES 2147163	B1	20010316		
BR 20000007395	A	20011030	BR 1000-7395	20000119
EP 1157387	A1	20011128	EP 1000-900518	20000119
EP: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IS, SI, PT, LV, FI, PL				
GB 2363613	A1	2000-01-12	GB 2363613	20000119
DE 10101002	F	2001-01-17	DE 10101002	20010119
JP 2002-001863	TA	2001-01-17	JP 2002-001863	20010119
NO 2001-13390	A	20010317	NO 2001-13390	20010306
US 2001-5-629	A1	20020516	US 1001-912164	20010724
PRIORITY APPLN. INFO.:			ES 1999-159	A 19990127
			WO 2000-ES19	W 20000119

OTHER SOURCE(S): MARPAT 16-150471
GI

AB The invention relates to novel S-nitrosothiols derived from penicillamine or glutathione, of general formula I (wherein A, B = Ph; or A1 = $\text{CH}_2-\text{C}_2\text{H}_4$ where C_2H_4 = O, S, or N-R3; R3 = H or C1-C4 aliph. acyl or glutamic acid bonded by γ -carboxy group; R1 = OH or glycine radical bonded by peptidic linkage so that R2 = OH when R1 = aliph. acyl, and R2 = glycine when R1 = glutamic acid). The compds. exhibit vasodilating and blood platelet aggregation-inhibiting activity, and are useful in the treatment of circulatory system dysfunctions, esp. cardiovascular dysfunctions. For instance, L-amino-2-(4-mercaptotetrahydropyran-4-yl)acetic acid HCl salt was neutralized with NaOH and then N-nitrosated with AgCl in MeCN, and the N-acetyl deriv. was S-nitrosated with H2N and NaNO2 in aq. MeOH under sonication, to give invention compd. II, i.e., an in vitro assay for vasodilation of norepinephrine-contracted arterial rings, II had an EC50 of 0.575 μM , vs. 1.56 μM for the known comparison compd. S-nitroso-glutathione, and 0.024-1.89 μM for other invention compds. I.

IT 287402-90-8P, N-Acetyl-2-amino-2-(4-mercaptotetrahydropyran-4-yl)acetic acid
EL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RAFT

(Reactant or reagent)

'intermediate; prepn. of arylalkyl-contg. S-nitrosothiols as cardiovascular agents'

IT 287402-83-9P, N-Acetyl-2-amino-2-[4-(S-nitrosomercapto)tetrahydropyran-4-yl]acetic acid
 RL: BAF (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); E101 (Endocrinological study); PREP (Preparation); USES (Uses)
 (target compd.; prepn. of arylalkyl-contg. S-nitrosothiols as cardiovascular agents)

REFERENCE COUNT: THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

14 ANSWER 3 OF 6 HCAPLIS (COPRIGHT 2003 ACS)

ACCESSION NUMBER: 1387402-83-9 HCAPLIS

DOCUMENT NUMBER: 137:149409

TITLE: Preparation of .alpha.-arylglycine and N-glycyl-.alpha.-arylglycyl derivatives having affinity to neuropeptide Y (NPY) receptor

INVENTOR(S): Kondo, Tasuku; Itanana, Hirotune; Tobe, Takahiko; Togami, Junji; Tsukamoto, Shinichi

PATENT ASSIGNEE(S): Yamamoto Pharmaceutical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 41 pp.

CODE: JPOXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09152053	A2	1997-06-17	JP 1995-323172	19951212
PRIORITY APPLN. INFO.:			JP 1995-323172	19951212
OTHER SOURCE(S):		MAFPAT 137:149409		

GI

R3 () nX

R2

R1-A-B-(CH₂CO)_mNH

R4

CONH₂ F6 I

Me Me

S

SO₂NIHCH₂CONH

N Cl

CN II

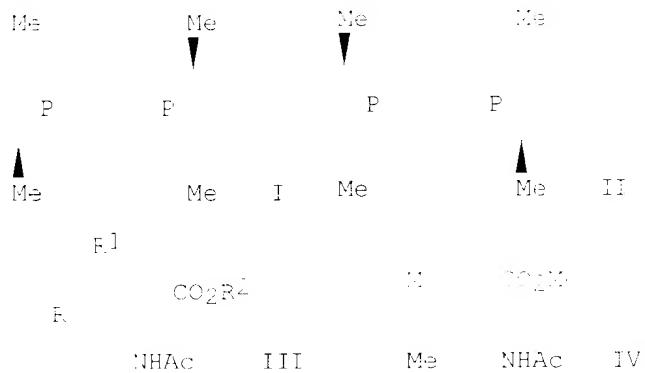
AB The title comp is. [I; A = aryl, optionally benzene ring-condensed 5- or 6-membered N-contg. heterocyclic, lower alkylene; B = SO₂, CO, CO₂, CH₂CO; wherein R7 = H, lower alkyl, aryl; X = optionally lower alkyl-substituted CH₂ or NH, S, O; R1 = H, NH₂, mono- or di- "water"

alkyl)amino; R₁, R₂ = H, lower alkyl; R₃ = H, cyano, CNH₂, C≡N; NH₂, NH, NH₃⁺; where each R₈, R₉ = H, lower alkyl, (h)alalkyl; or NF₅R₆ = N-contg. heterocycl. aralkyl or aryl; or NF₅R₆ = N-contg. heterocycl. aralkyl or aryl; or NF₅R₆ = N-contg. heterocycl. aralkyl or aryl; or benzene ring-fused; n = 0, 1-4; m = 0,1] are prep'd. They are useful for the treatment of diseases related to physiol. function of NPY receptor such as obesity, overeating (hyperphagia), sitophobia (phagophobia), epilepsy, anxiety, senile dementia, depression, Parkinson's disease, brain degeneration accompanied by head trauma, var. is ready sympt. ms. caused by stress, hypertension, hypotension, heart failure, arrhythmia, myocardial infarction, coronary diseases, syndrome X, kidney disease, asthma, diarrhea, and hormone abnormality, or as immunomodulators, etc. (no data). Thus, (2R,4'RS)-1-[2-(6'-cyano-2',4'-dimethyl-3',4'-dihydro-2'H-benzothiopyran-4'-yl)-N-(diphenylmethylene)glycyl]piperidine was stirred with a mixt. of concd. HCl and MeOH at room temp. for 1 h followed by workup and condensation with N-(2-naphthylsulfonyl)glycine in the presence of (PhO)₂P(O)N₃ in DMF to give the title compd. (II).

IT 193403-79-1P
SL: R¹T (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
Prepn. of .alpha.-arlglycine and N-glycyl-.alpha.-methylglycyl derivs. having affinity to neuropeptide Y (NPY) receptor

L4 ANSWER 4 OF 6 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 193403791P HCAPLUS
DOCUMENT NUMBER: 114:30287
TITLE: Asymmetric catalytic synthesis of .beta.-branched
amino acids via highly enantioselective hydrogenation
of .alpha.-enamides.
AUTHORS: Birk, Mark J.; Gross, Michael F.; Martinez, Jose P.
CORPORATE SOURCE: Department of Chemistry, Duke University, Durham, NC,
27708, USA
SOURCE: Journal of the American Chemical Society 114(11),
117136, 9375-6
CODEN: JACSBAT; ISSN: 0002-7863
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 114:30287
GI



AB M-DuPHOS-Rn [(S,S')-Me-DuPHOS = I] and Me-BIF-Rn [(P,R)-Me-BIF = III] hydrogenation catalysts were found to provide access to a wide variety of .beta.-branched amino acids with >90% enantiomeric excess.

.alpha.-Enamides (III; R, R1 = Me, Et, Pr, etc.; R2 = (hetero)-alkyl moiety; R3 = Me) were smoothly reduced to the corresponding amino acid derivs. at 90 psi H2. Hydrogenation of enamide (III) in presence of 2.0 equiv. and 90 psi H2 using catalyst precursor (1R,3S)-Me-BPF-Bn, LiClO4- gave the corresponding (R)-amino acid in 86.2% enantiomeric excess at 100% conversion.

IT 171508-16-0 171508-17-1

EL: RCT (Reactant); EACT (Reactant or reagent)
(asym. catalytic synthesis of .beta.-branched amino acids via highly enantioselective hydrogenation of .alpha.-enamides)

IT 171508-30-8P 171508-31-9P 171508-32-0P

171508-33-1P

EL: SPC (Synthetic preparation); PREP (Preparation)
(asym. catalytic synthesis of .beta.-branched amino acids via highly enantioselective hydrogenation of .alpha.-enamides)

L4 ANSWER 6 HCPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1430199.36 HCPLUS

DOCUMENT NUMBER: 112:149036

TITLE: New syntheses of .alpha.-amino acids based on N-acylimino acetates

AUTHOR(S): Bretscha-Dier, Thomas; Milde, Wolfgang; Hünig, Peter; Steglich, Wolfgang

CORPORATE SOURCE: Inst. Org. Chem. Biochem., Univ. Bonn, Bonn, D-5300/1, Fed. Rep. Ger.

SOURCE: Tetrahedron (1988), 44(17), 5403-14
CODEN: TETRAAB; ISSN: 0040-4020

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 112:149036

AB The reaction of N-acylimino- α -bromo acetates, via N-acylimino acetates, with higher order mixed cuprates, trimethylsilyl enol ethers and .beta.-keto carbonyl compds. leads to a variety of .alpha.-amino acid derivs. Their conversion into the free amino acids can be conveniently carried out by the use of tert-butyl protection. In the case of N-acetyl compds., cleavage of the protecting group and optical resoln. can be achieved in one step by hog renal esteras.

IT 119768-64-8P 119768-65-9P

EL: SPC (Synthetic preparation); PREP (Preparation)
(prepr. of)

L4 ANSWER 6 HCPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1430174.64 HCPLUS

DOCUMENT NUMBER: 112:104266

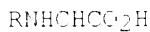
TITLE: Synthesis of 3,4-iminocyclohexyl-glycine and its N-benzylcarbonyl derivative

AUTHOR(S): Drieduszycia, Maria; Martelli, Sante; Borowski, Edward
CORPORATE SOURCE: Dep. Pharm. Technol. Biochem., Tech. Univ. Gdańsk, Gdańsk, PolandSOURCE: International Journal of Peptide & Protein Research (1985), 25(1), 99-104
CODEN: IJPPC3; ISSN: 0367-8377

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 112:149036



AB The title compds. I (R = H, PhCH₂O₂C (Z)) were prep'd. from prep'd. from cyclohexenylglycines II (R₁ = Z, CF₃CO) via an addn. reaction with 1,3-diazene isocyanate (III'). Thus, III was added to II (R₁ = Z) to give addn. products IV (R₂ = Z, R₃ = NCO) as a mixt. of the 2 possible 3- and 4-positional isomers. The latter were treated with MeOH to give the corresponding IV (R₂ = Z, R₃ = NHCO₂Me) (as 2 isomers), which were cyclized in the presence of KOH to give I (R = Z). II (R₁ = CF₃CO) was converted to I (R = H) via IV (R₂ = CF₃CO, R₃ = NHCO₂Me). I (R = H) inhibited glucosamine synthetase.

IT 96356-76-2P

SL: SPN (Synthetic preparation); HELP (Preparation)
(prepr. of)

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FILE 'CAOLD' ENTERED AT 11:44:40 ON 14 FEB 2003
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FILE COVERS 1907-1966

FILE LAST UPDATED: 01 May 1997 (19970501/JP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

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STRUCTURE FILE UPDATES: 3 FEB 2003 HIGHEST RN 485316-86-7
 DICTIONARY FILE UPDATES: 3 FEB 2003 HIGHEST RN 485316-86-7

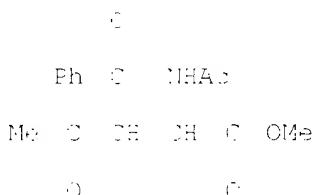
TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
 PROPERTY for more information. See STNite 27, Searching Properties
 in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnites27.pdf>

ANSWER 1 OF 13 REGISTRY COPYRIGHT 2003 ACS
 340316-86-6 REGISTRY
 Benzenebutanoic acid, .beta.-acetyl-.alpha.-(acetylamino)-.gamma.-oxo-,
 methyl ester (9CI) (CA INDEX NAME)
 30 CONCORD
 C16 H17 N O5
 CA
 STN Files: CA, CAPIUS, CASHER, CT

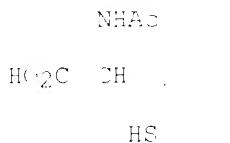


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
 1 REFERENCES IN FILE CAPIUS (1962 TO DATE)

REFERENCE 1: 134:36761

ANSWER 2 OF 13 REGISTRY COPYRIGHT 2003 ACS
 2-74-01-90-6 REGISTRY
 2H-Pyran-.1-acetic acid, .alpha.-(acetylamino)tetrahydro-4-mercaptopo- (9CI)
 (CA INDEX NAME)
 OTHER NAMES:
 CN N-Acetyl-1-amino-2-(4-mercaptopotetrahydropyran-4-yl)acetic acid
 PS 30 CONCORD
 MF C9 H15 N O4 S
 SR CA
 LC STN Files: CA, CAPIUS, CASHER, CT

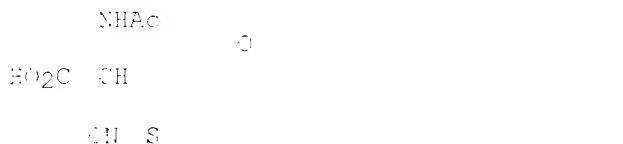


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 133:150471

L: ANSWER 3 OF 13 REGISTRY COPYRIGHT 2003 ACS
 RN: 187402-83-9 REGISTRY
 CN: 1H-Pyran-4-acetic acid, .alpha.-(acetylamino)tetrahydro-4-(nitrosochloro)-
 (9CI) (CA INDEX NAME)
 OTHEs NAMES:
 CO: N-Acetyl-2-amino-2-[4-(S-nitrosomercapto)tetrahydropyran-4-yl]acetic acid
 PR: 3D CONCORD
 MF: C10 H14 N2 O5 S
 SR: CA
 LC: STN Files: CA, CAPLUS, USPATENT

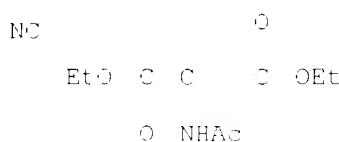


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 133:150471

L: ANSWER 4 OF 13 REGISTRY COPYRIGHT 2003 ACS
 RN: 183403-19-1 REGISTRY
 CN: Propanedioic acid, (acetylamino)(6-cyano-3,4-dihydro-2H-1-benzopyran-4-yl)-
 , diethyl ester (9CI) (CA INDEX NAME)
 MF: C19 H22 N2 O6
 SR: CA
 LC: STN Files: CA, CAPLUS



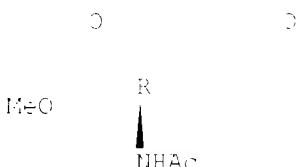
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE TA (1962 TO DATE)
1 REFERENCES IN FILE CAPIUS (1962 TO DATE)

REFERENCE 1: 177:149:09

ANSWER 5 OF 13 REGISTRY COPYRIGHT 2003 ACS
171508-33-1 REGISTRY
2H-Furan-4-acetic acid, α -(acetylaminotetrahydro-, methyl ester,
(R)- (9CI) CA IN EX NAME
STEREOSEARCH
C17 H17 N O4
CA
STN Files: CA, CASPLUS, CASREACT

Absolute stereochemistry.



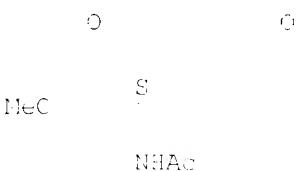
* * PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT * *

1 REFERENCES IN FILE CA 1962 TO DATE.
1 REFERENCES IN FILE CAPIUS (1962 TO DATE)

REFERENCE 1: 124:30287

1. ANSWER 6 OF 13 REGISTRY COPYRIGHT 2003 ACS
2. 171508-32-0 REGISTRY
3. 2H-Pyran-4-acetic acid, α -(acetylamino)tetrahydro-, methyl ester,
(S)- (PCI) (CA INDEX NAME)
4. STEREOSEARCH
5. C10 H17 N O4
6. CA
7. STN Files: CA, CAPIUS, CASREACT

Absolute stereochemistry.



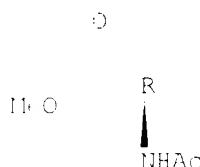
PROPERTY DATA AVAILABLE IN THE 'PROF' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 124:30287

LS ANSWER 7 OF 13 REGISTRY COPYRIGHT 2003 ACS
 FN 171508-31-9 REGISTRY
 CN 2H-Thiopyran-4-acetic acid, .alpha.-(acetylaminotetrahydro-, methyl ester, (R)- (PCI) (CA INDEX NAME)
 FS STEREOSEARCH
 IF C10 H17 N O3 S
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROE' FORMAT

1 REFERENCES IN FILE CA (1962 TO LATE)
 1 REFERENCES IN FILE CAPLUS (1962 TO LATE)

REFERENCE 1: 124:30287

LS ANSWER 8 OF 13 REGISTRY COPYRIGHT 2003 ACS
 FN 171508-30-8 REGISTRY
 CN 2H-Thiopyran-4-acetic acid, .alpha.-(acetylaminotetrahydro-, methyl ester, (S)- (PCI) (CA INDEX NAME)
 FS STEREOSEARCH
 IF C10 H17 N O3 S
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROE' FORMAT

1 REFERENCES IN FILE CA (1962 TO LATE)
 1 REFERENCES IN FILE CAPLUS (1962 TO LATE)

REFERENCE 1: 124:30287

LS ANSWER 9 OF 13 REGISTRY COPYRIGHT 2003 ACS
 FN 171508-17-1 REGISTRY
 CN Acetic acid, (acetylaminotetrahydro-4H-pyran-4-ylidene)-, methyl ester (PCI) (CA INDEX NAME)
 FS 3D CONCORD
 IF C10 H15 N O4

SR CA
 LC STN Files: CA, CAPLUS, CASREACT

S

MeO-C-C

C-NHAc

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 1.4:30287

LA ANSWER 10 OF 13 REGISTRY COPYRIGHT 2003 ACS
 PR 171508-16-1 REGISTRY
 CN Acetic acid, (acetylamino)(tetrahydrc-4H-thiopyran-1-yl)ester, methyl
 ester (9CI) (CA INDEX NAME)
 EG 3D CONCOPD
 MF Cl1 H15 N 03 S
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT

S

MeO-C-C

C-NHAc

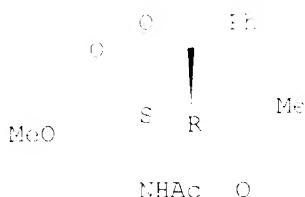
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 1.4:30287

LA ANSWER 11 OF 13 REGISTRY COPYRIGHT 2003 ACS
 PR 113768-69-9 REGISTRY
 CN Benzenebutanoic acid, .beta.-acetyl-.alpha.-(acetylamino)-.gamma.-oxo-,
 methyl ester, (R*,S*)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Benzenebutanoic acid, .beta.-acetyl-.alpha.-(acetylamino)-.gamma.-oxo-,
 methyl ester, (R*,S*)-
 CL STREOSEARCH
 MF Cl1 H17 N 05
 SR CA
 LC STN Files: BEILSTEIN, CA, CAPLUS, CASREACT
 (*File contains numerically searchable property data)

Relative stereochemistry.



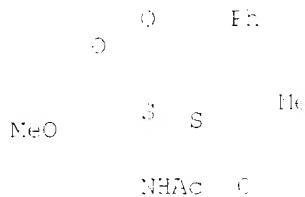
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 112:199036

LS ANSWER 12 OF 13 REGISTRY COPYRIGHT 2003 ACS
 FN 112768-64-3 REGISTRY
 CN Benzenebutanoic acid, .beta.-acetyl-.alpha.-(acetylamino)-.gamma.-oxo-,
 methyl ester, (R*,R*)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Benzenebutanoic acid, .beta.-acetyl-.alpha.-(acetylamino)-.gamma.-oxo-,
 methyl ester, (R*,R*,-.,-.)-
 FS STEREOSEARCH
 MF C13 H17 N O5
 SR CA
 LC STN Files: REILSTEIN*, CA, CAPLUS, CASREACT
 (*File contains numerically searchable property data)

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 112:199036

LS ANSWER 13 OF 13 REGISTRY COPYRIGHT 2003 ACS
 FN 96396-76-2 REGISTRY
 CN 7-Azabicyclo[4.1.0]heptane-3-acetic acid, 7-acetyl-.alpha.-(acetylamino)-,
 methyl ester (9CI) (CA INDEX NAME)
 FS SD CONCORD
 MF C13 H20 N2 O4
 LC STN Files: CA, CAPLUS, CASREACT

Lactam-CH₂CH₂CA

AcNH - O

CH - C - OMe

Ac - N

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE RA-1961 TO DATE

1 REFERENCES IN FILE RAFLUS (1961-7-1 DATE)

REFERENCE 1: 102:174266

=> fil beil

FILE 'BEILSTEIN' ENTERED AT 15:46:46 ON 04 FEB 2004

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FILE RELOADED ON OCTOBER 20, 2003

FILE LAST UPDATED ON JANUARY 31, 2003

FILE COVERS 1771 TO 2001.

*** FILE CONTAINS 5,441,474 SUBSTANCES ***

>>> For the revised summary sheet please see:

<http://info.cas.org/ONLINE/DBSS/beilsteinss.html> <<<

>>> PLEASE NOTE: Reaction and substance documents are stored in
different file segments. Use separate queries to search for
reaction and substance data. When searching for bibliographic
information you have the option to chose the file segment.
(Use "/XXX.SUB" to search for a bibliographic term in
substance documents. To restrict the search to reaction
documents use "/XXX.RX".)

For additional information see HELP RAS. <<<

>>> FOR SEARCHING PREPARATIONS SEE HELP PREP. <<<

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* FOR PRICE INFORMATION SEE HELP COST *
